BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No: 15

Item Name: Providing and fixing 100mm wide venitian blinds of window fashion fabric of taiwan make, with 50mm thick powder coated channel with balance, imported, acrylic self alignable mechanism and equally placed spacers, imported titlting mechanism for easy tilting operation, with nylon imported thread and beadings, 100mm wide imported washable reusable fabric placed with top hanger and bottom with 100mm long bottom plate connected to nylon imported bottom link chain. The rate is inclusive of drilling holes for fixing channels to the wall, fixing threads and beadings and link chains, hard ware fixtures etc., complete as per drawing, specifications.

CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Venitian blinds								
	53	1.70	1.30	1.30	1.30		117.13	
	4	2.25	1.45	1.45	1.45		13.05	
	2	4.67	1.72	1.72	1.72		16.06	
						Total Quantity	**146.24**	Sqm
						Quantity limited to Schedule-B Quantity	**108.00**	Sqm

Contractor Representative

Mecadez Core Technologies Private Limited

Consultant Representative

Asst Engineer 14/1/19

Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No: 16

Providing, fabricating, assembling and fixing in position anodized aluminium partitions using section in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm. thick having section weight, plain sections 2.40kg/m single grove section 2.541kg/m. and double grove section 2.683 kg/m and bottom member 114.3mm x 44.45mm 3.18mm thick weight 2.646 kg/m; aluminium louvers of size 77.6mm x27.6mm 1.7mm. thick section weight 0.483 kg/m; bottom portions provided with 12mm. thick prelaminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical members all not exceed 0.6m. c to c; sections are cut to the reqired lengths, joints mitered and corners grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13m. and top panel with lower section, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of 0.9mm. weight 0.124kg/m; aluminium sections anodized 12 to 15 microns, sections pre treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable sized holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be thoroughly cleaned free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications

CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Conference hall	2	3.15				2.55	16.07	
	2	1.88				2.55	9.59	
room 1	1	3.90				2.81	10.96	
	1	2.34				3.45	8.07	
	1	4.61				0.93	4.29	
room 2	1	2.40				3.45	8.28	
	1	3.90				2.80	10.92	
	1	4.67				0.93	4.34	
Deduction								
	-4	2.10				1.00	-8.40	
						Total Quantity	**64.12**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

4/1/19.

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No: 17

Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.

CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Doors	4	2.10				1.00	8.40	
						Total Quantity	**8.40**	**SQM**
						Quantity limited to Schedule-B Quantity	**5.48**	**SQM**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

4/1/19.

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Block/Ward

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No: 18

Providing and laying of world class mineral acoustic ceiling panels of as per the following specification :- Tile of approved make mineral acoustic ceiling panels of sze 595x595 - 12mm thick suitable for use in armaurs upto 40 c and RH70UR as per manufacturer. Tile have 15 min fire retardant and does mot contain asbestos/urea formaldehyde, Technical details of new - thermal conductivity non-dosposable, Light Reflection 80% fire resistance Non-resistance Non-disposable. Mineral fiber ceiling panels are placed inside the grid work.

CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Conference hall	1	16.02	10.55	10.55	10.55		169.01	
Meeting hall	1	10.55	7.95	7.95	7.95		83.87	
						Total Quantity	**252.88**	**SQM**

Checked

Contractor Representative

Mecadez Core Technologies Private Limited

Consultant Representative

Asst Engineer 4/1/19.
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Sheet No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No.	19								
Item	Providing and fixing veneer paneling over the 50mm x 35mm sal wood frame work and top covered out of 4mm thick approved veneer fixed over 12mm ply finished in mealamme polish, complete including cost and conveyance of all materials, labour for all items of work HOM of equipment etc., complete as per specification								
	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	veneer paneling	2	16.02				2.45	78.50	
		2	10.55				2.45	51.70	
	deduction								
	windows	-3	1.65				1.15	-5.69	
	door	-1	2.45				2.90	-7.11	
	Ac	-6	0.88				0.30	-1.58	
							Total Quantity	**115.81**	SQM
							Quantity limited to Schedule-B Quantity	**73.20**	SQM

Contractor Representative

Mecadez Core Technologies Private Limited

Consultant Representative

Asst Engineer 4/1/19

Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No: 20

Manufacturing, supplying and fixing wooden ward robe of 0.60m deep using 19mm thick vinyl bonded water proof block board, shutters allround ward robe, lockable drawers with sliding channels, cupboard drapery hangers, curtain rods with end brackets, openable shutters with 19mm x 6mm thick plain teak wood beading, lipping 1.5mm thick commercial ply vertical support finished in approved 1.5mm lamination sheet of approved colour, shade and quality on all exposed surfaces. Inner surface painted with 2 coats of white synthetic enamel paint over 2 coats of Patti, one coat of wood primer, including cost of brass fittings, parliamentary hinges, C handles, tower bolts, magnetic catches, approved brand lock, adhesives, synthetic resins, nails, screws etc., complete including cost of all materials, labour charges, complete as per specification.

CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
room 1	1	3.61				2.43	8.77	
	1	2.40				2.43	5.83	
room 2	1	3.61				2.43	8.77	
	1	2.40				2.43	5.83	
room 3	1	3.61				2.43	8.77	
	1	2.40				2.43	5.83	
room 4	2	2.42				2.43	11.76	
room 5	4	1.20				2.43	11.66	
						Total Quantity	**67.24**	**SQM**

Checked.

7/1

Contractor Representative

Consultant Representative

Asst Engineer 4/1/19.
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No:	23								
Item Name:	Providing Executive Netted Revolving Chair with high back with adjustable handle,adjustable head rest with steel chromium base as per approved sample inclusive of all taxes and transportation charges								
SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Revolving Chair	8						8.00	
							Total Quantity	**8.00**	**No**

Contractor Representative

Consultant Representative

Asst Engineer 4/1/19

Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: **Sri. D K Nagaraj**

Item No.	26								
Item Name	Supplying, installing & Commissioning of Water Purifier with RO, Semi automatic, permeate flow, rate @ 200 LPH, & Concentrate flow rate @ 800 LPH etc., complete as per the technical specification appended with the estimate with necessary fixtures & spare parts of approved make & brand etc.,complete as per the direction of engineer in charge								
SNO	CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1						1.00	
								Total Quantity	1.00	**unit**

Contractor Representative

Consultant Representative

Asst Engineer 7/1/19.
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	37								
Item Name:	Supplying customised sofa set of size 84"x33"x21" of L shap corner 5 seater and one number of two seater made up of contemporary design with teak wood and design cushion made up of 32 density and 28 density for seat and back resprectively and with required thickness and approved upholstery made of approved quality and colour etc., complete								
SLNO	CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			3						3.00	
								Total Quantity	**3.00**	**NO**

Contractor Representative

Consultant Representative

Asst Engineer 7/1/19

Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	38									
Item Name:	Supplying recliner type of sofa one number of single seater made up of contemporary design with teak wood and design cushion made up of 32 density and 28 denisty for seat and back respectively and with required thickness and approved upholstery made of approved quality and colour etc., complte									
DNO	CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			3						3.00	
								Total Quantity	**3.00**	NO

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

7/1/19

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	39								
Item Name:	Supplying teak wood teapoy with 8mm glass top of circular / rectangle as per approved sample of size 1.2.m x 0.60m x 0.45m inclusive of all taxes and transportation								
SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Water Proofing		3						3.00	
							Total Quantity	**3.00**	**NO**

Contractor Representative

Consultant Representative

Asst Engineer 7/1/19.
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	40	
Item Name:	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic1x4'-28 Watts.	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		77						77.00	
							Total Quantity	**77.00**	EACH
							Quantity limited to Schedule-B Quantity	**48.00**	EACH

Contractor Representative

Consultant Representative

Asst Engineer 7/1/19
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	41	
Item Name:	*Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect* working under standard electrical condition.	

SL NO	CHAINAGE Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		32						32.00	EACH
							Total Quantity	**32.00**	**EACH**

Contractor Representative

Consultant Representative

Asst Engineer 7/1/19
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	44								
Item Name:	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm).								
SL NO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		17						17.00	
							Total Quantity	**17.00**	**No**

Contractor Representative

Consultant Representative

Asst.Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	45
Item Name:	Supplying of...TR split Air conditioners suitable for operation on A/C supply single phase 50 Hz 230 Volts with hermetically sealed compressor with air cooled condenser, motor capacitor and start run capacitors, relay and over load protector internal unit, with one indoor and one outdoor unit. The condenser unit will be placed outside the room on the terrace to avoid noise including standard length of suitable size copper tubing covered with insulation tube.(High wall chorded/cordless) suitable capacity 3 core sheathed/ PVC copper cable and a battery operated wireless remote unit. 3star 1.5 ton capacity.

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		8						8.00	
	Total Quantity							**8.00**	**No**
	Quantity limited to Schedule-B Quantity							**5.00**	**No**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Providing and fixing furniture and interior works to Mini Vidhana Soudha at Yelahanka in Ward No.01

Measurement Sheet

2nd & Part Bill

Name of Agency: Sri. D K Nagaraj

Item No:	46	
Item Name:	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition(ITEM NO.4.33.3LED modular down light 2'x2'-55 watts	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	2'*2' light	34						34.00	
							Total Quantity	**34.00**	**No.**
							Quantity limited to Schedule-B Quantity	**20.00**	**No.**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project